

ABSTRACT OF THE DISCLOSURE

RAILWAY DIAMOND WEDGE CROSSING WITH REVERSIBLE BEAM CASTINGS

A railway crossing has a plate with a pocket that defines a crossing angle for enabling one railway line to cross over another at virtually any angle. The pocket closely receives continuous long beams and divided beams. The pocket also has protrusions for restricting longitudinal horizontal movement of the beams. Each divided beam has three separate, discontinuous segments, including two outer segments and one inner segment. The segments are reversible such that the inner segments may be interchangeably positioned with each other, and the outer segments may be interchangeably positioned with each other. Fasteners secure the beams to the plate and resist both vertical movement and lateral horizontal movement. Each fastener has a wedge brace, a clip, and a wedge. The wedge prevents pull-apart of the plate and the beams due to thermal forces, mechanical forces, and surface discontinuities.